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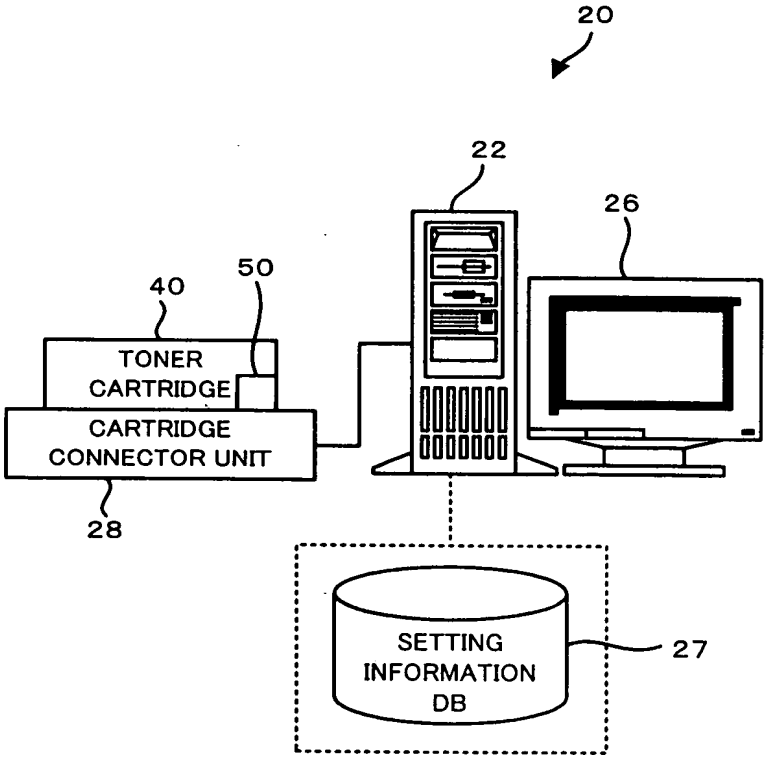
PATENT & TRADEMARK OFFICE
JC185

BEST AVAILABLE COPY

FIG. 1



BEST AVAILABLE COPY

FIG. 2

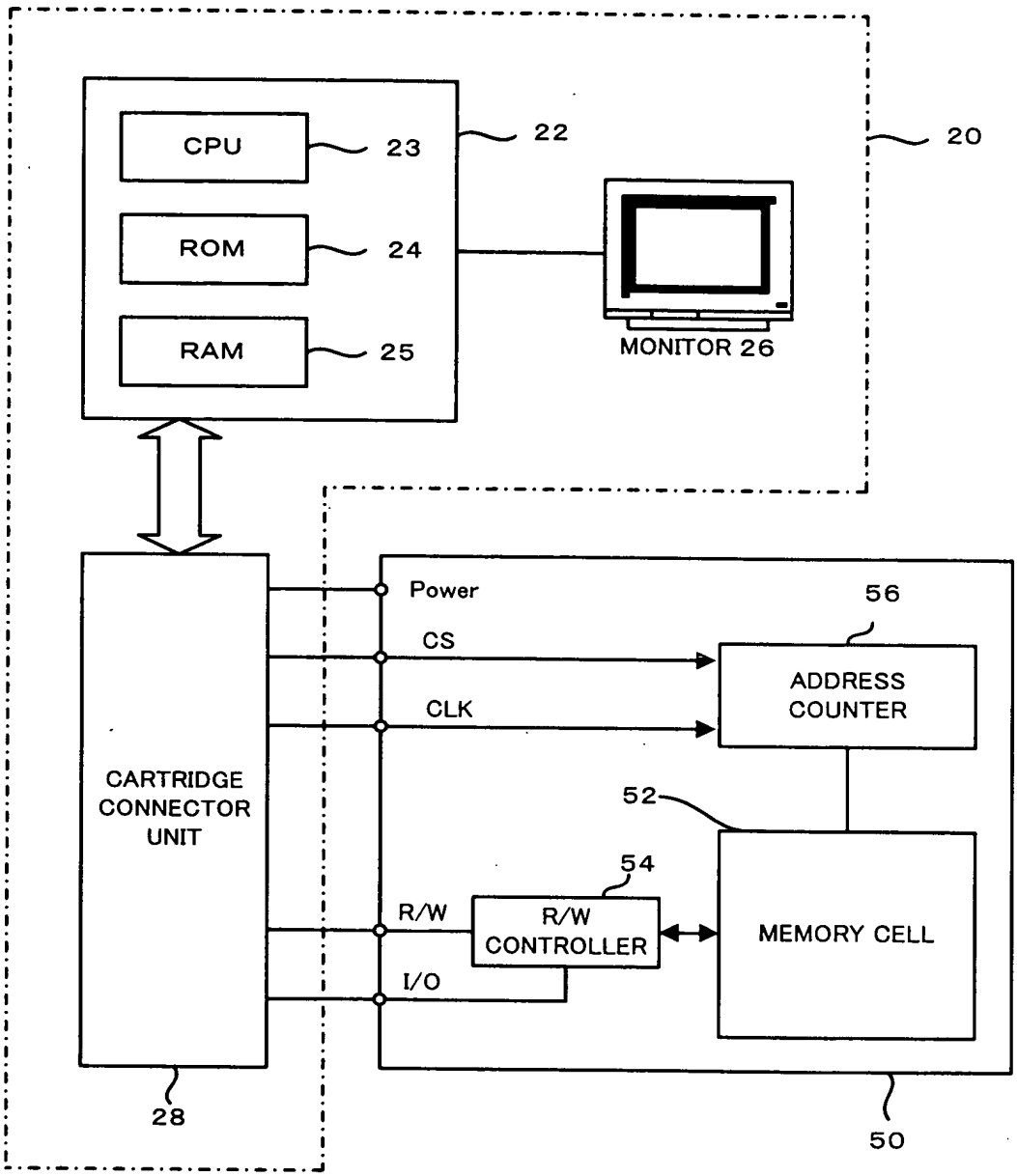


FIG. 3

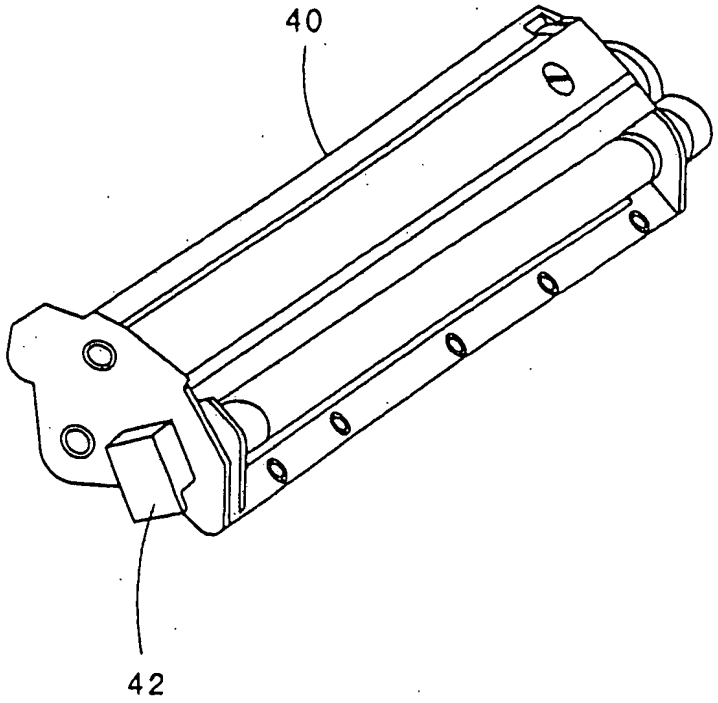


FIG. 4

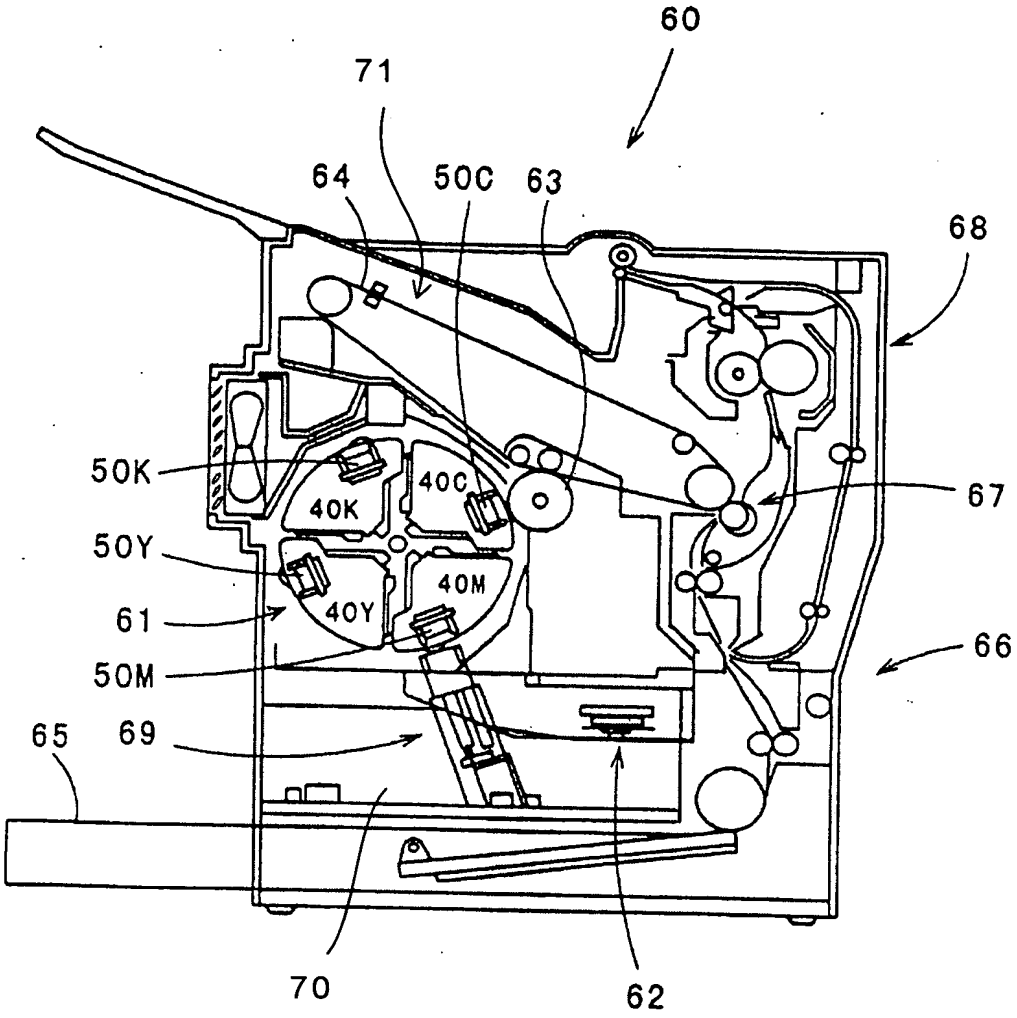


FIG. 5

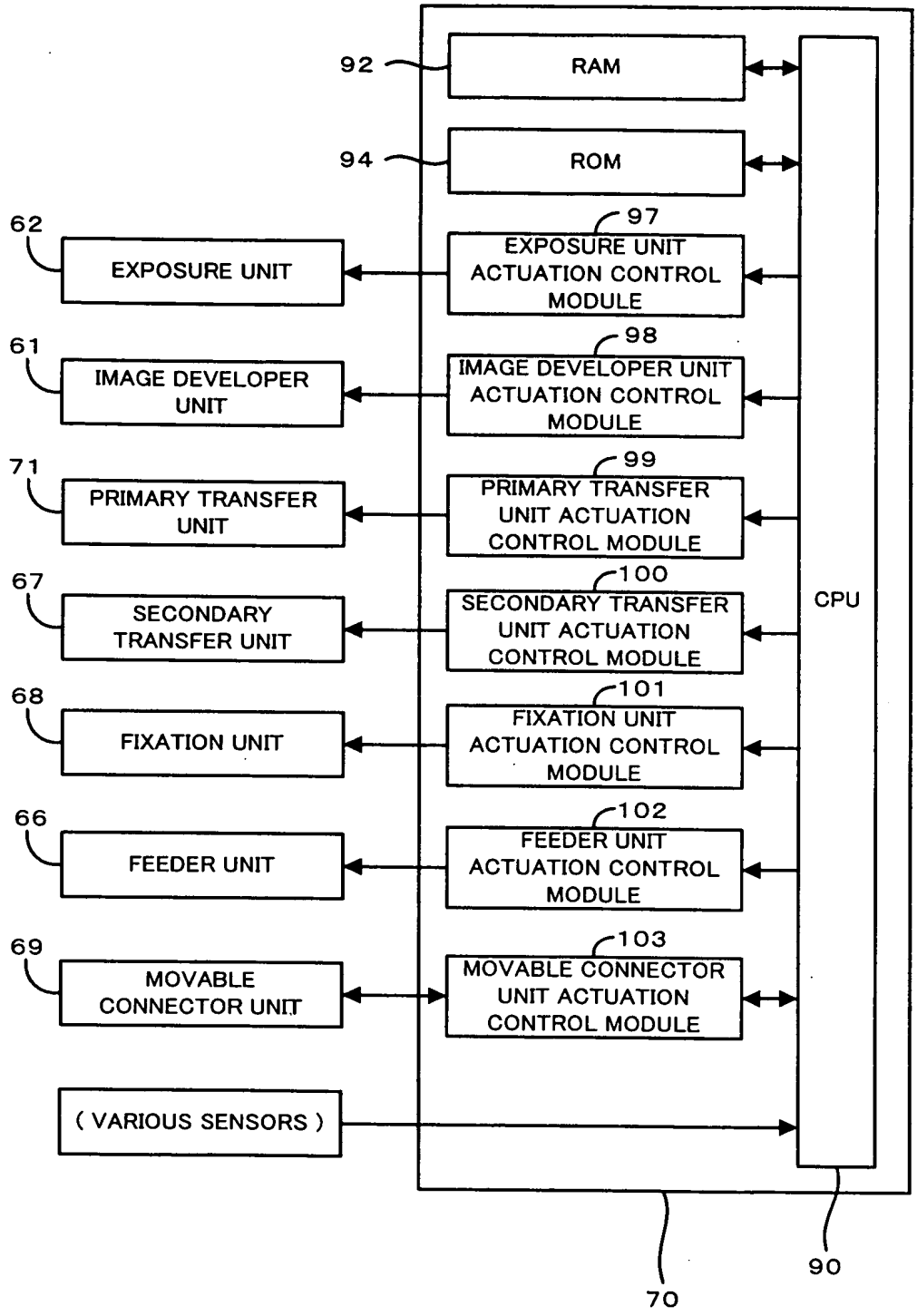

92
RAM
94
ROM
62
EXPOSURE UNIT
97
EXPOSURE UNIT ACTUATION CONTROL MODULE
61
IMAGE DEVELOPER UNIT
98
IMAGE DEVELOPER UNIT ACTUATION CONTROL MODULE
71
PRIMARY TRANSFER UNIT
99
PRIMARY TRANSFER UNIT ACTUATION CONTROL MODULE
67
SECONDARY TRANSFER UNIT
100
SECONDARY TRANSFER UNIT ACTUATION CONTROL MODULE
68
FIXATION UNIT
101
FIXATION UNIT ACTUATION CONTROL MODULE
66
FEEDER UNIT
102
FEEDER UNIT ACTUATION CONTROL MODULE
69
MOVABLE CONNECTOR UNIT
103
MOVABLE CONNECTOR UNIT ACTUATION CONTROL MODULE
(VARIOUS SENSORS)
CPU
70
90

FIG. 6

Printer Information	Printer ID
	Model
Paper Settings	Paper Size (Tray, Cassette)
	Paper Type (Tray, Cassette)
	...
Print Settings	Resolution (Fast, Fine)
	Reduced Print (OFF, 80%)
	Toner Saving Mode
	...
Network Settings	IP Address
	Sub-net Mask
	Gateway Address
	...

FIG. 7

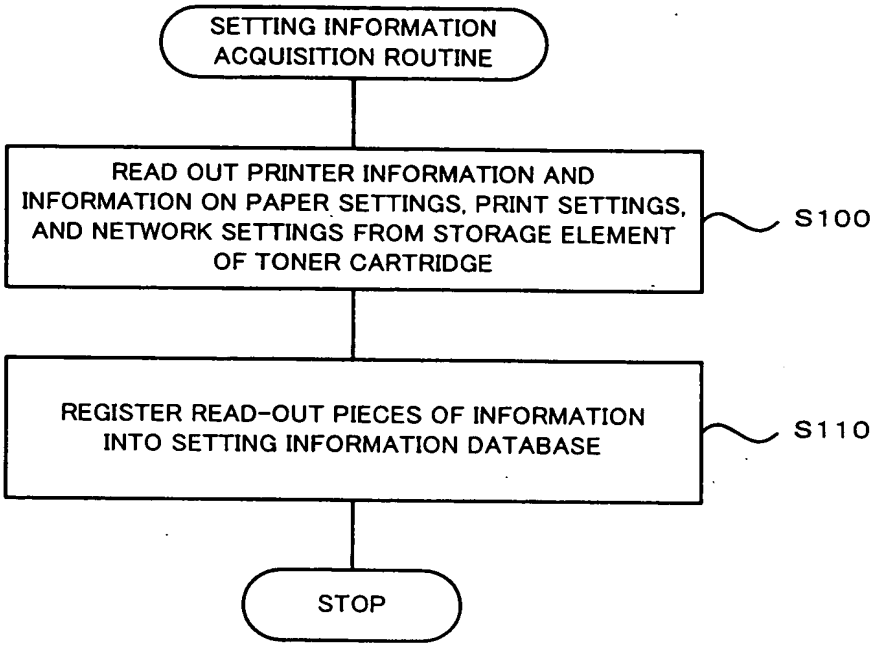

SETTING INFORMATION ACQUISITION ROUTINE
READ OUT PRINTER INFORMATION AND INFORMATION ON PAPER SETTINGS, PRINT SETTINGS, AND NETWORK SETTINGS FROM STORAGE ELEMENT OF TONER CARTRIDGE
S100
REGISTER READ-OUT PIECES OF INFORMATION INTO SETTING INFORMATION DATABASE
S110
STOP

FIG. 8

Registration Information	Date of Registration.
	User ID
Printer Information	Printer ID
	Model
Paper Settings	Paper Size (Tray, Cassette)
	Paper Type (Tray, Cassette)
	...
Print Settings	Resolution (Fast, Fine)
	Reduced Print (OFF, 80%)
	Toner Saving Mode
	...
Network Settings	IP Address
	Sub-net Mask
	Gateway Address
	...

FIG. 9

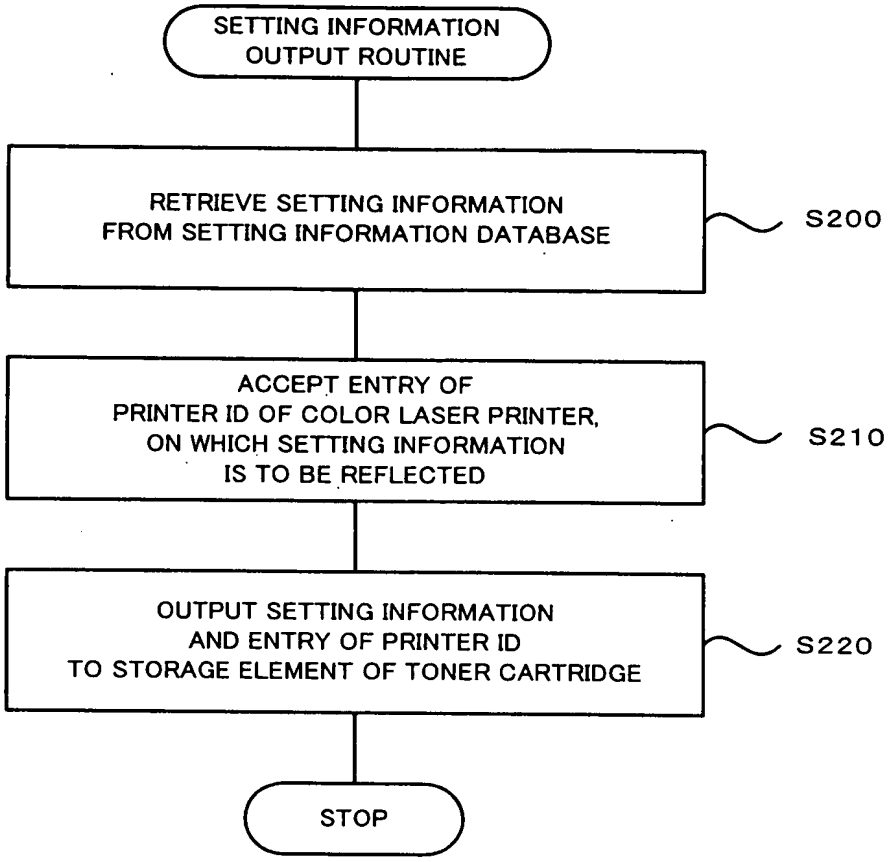

SETTING INFORMATION OUTPUT ROUTINE
RETRIEVE SETTING INFORMATION FROM SETTING INFORMATION DATABASE
S200
ACCEPT ENTRY OF PRINTER ID OF COLOR LASER PRINTER, ON WHICH SETTING INFORMATION IS TO BE REFLECTED
S210
OUTPUT SETTING INFORMATION AND ENTRY OF PRINTER ID TO STORAGE ELEMENT OF TONER CARTRIDGE
S220
STOP

FIG. 10

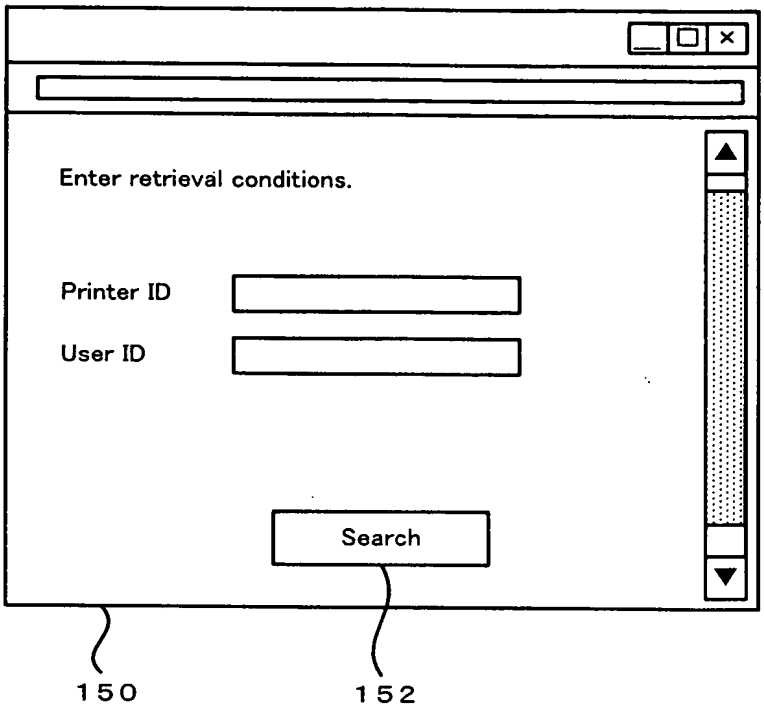

Enter retrieval conditions.
Printer ID
User ID
Search
150
152

FIG. 11

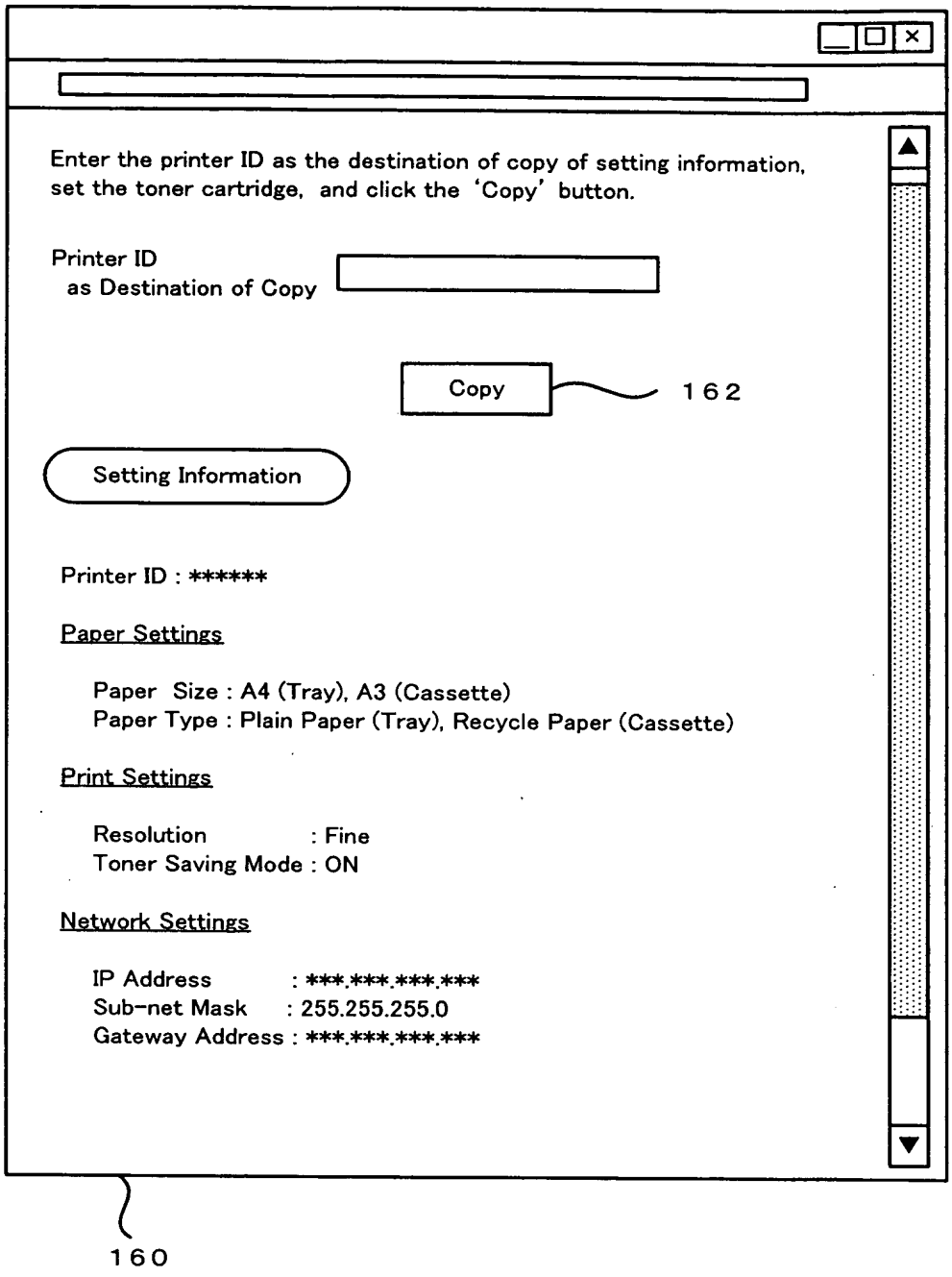
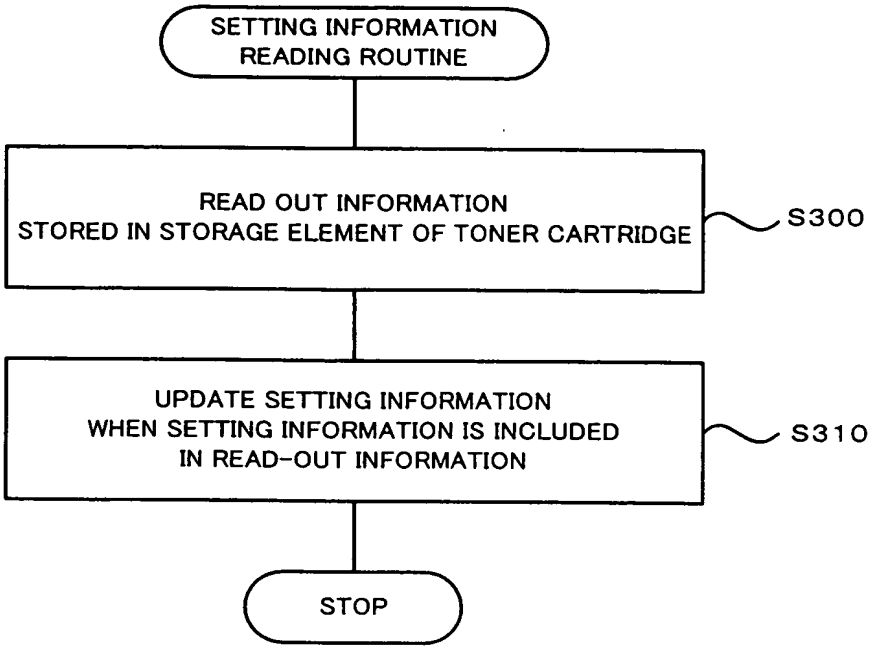

Enter the printer ID as the destination of copy of setting information, set the toner cartridge, and click the 'Copy' button.
Printer ID as Destination of Copy
Copy
162
Setting Information
Printer ID : ******
Paper Settings
Paper Size : A4 (Tray), A3 (Cassette)
Paper Type : Plain Paper (Tray), Recycle Paper (Cassette)
Print Settings
Resolution : Fine
Toner Saving Mode : ON
Network Settings
IP Address : ***.***.***.***
Sub-net Mask : 255.255.255.0
Gateway Address : ***.***.***.***
160

FIG. 12


SETTING INFORMATION READING ROUTINE
READ OUT INFORMATION STORED IN STORAGE ELEMENT OF TONER CARTRIDGE
S300
UPDATE SETTING INFORMATION WHEN SETTING INFORMATION IS INCLUDED IN READ-OUT INFORMATION
S310
STOP